

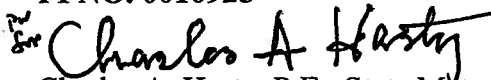
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE: 0010925 Fulton
Riverside Drive / I-285
PI NO. 0010925

OFFICE: Materials
Forest Park, Georgia
DATE: January 18, 2013

FROM: 
Charles A. Hasty, P.E., State Materials Engineer

TO: Marlo L. Clowers, P.E., Project Manager, Office of Innovative Program Delivery

RE: Bridge Deck Condition Survey

As requested, this office has completed the bridge deck condition survey on the above reference project. This 4 span bridge deck was evaluated for concrete quality and depth of reinforcement.

The steel cover on this bridge deck averaged 1.35 inches with a range of less than 1 inch to 1.9 inches. Visual inspection of the deck revealed moderate surface wear with exposed aggregates, the worst in Span 2. Moderate transverse cracking occurs in all spans about every 3 foot with some as close as 1 foot apart. In Spans 2 and 3 there are spalls with exposed corroded reinforcement bars. Map cracking was also found in all spans. Delamination was found in Spans 2 and 3. Cores were obtained and those with reinforcement indicated signs of corrosion in both of the top and bottom reinforcement bars. The strength cores yielded an average compressive strength of 4251 psi. Chloride samples taken from the deck indicated a chloride density of 2.91 lbs./yd³ at the 1 inch depth, and 2.87 lbs./yd³ at a 2 inch depth. Corrosiveness can occur when chloride is over 2 lbs./yd³ within the concrete. The deck thickness is 6.38 inches and the bridge was built in 1962.

Visual inspection of the underside of the deck revealed transverse cracking with effervescent was in all spans. The cap at Bent 2 and 3 has spalling with vertical exposed rebar. The remaining substructure appears to be in sound condition at this time.

Based on these findings, it is recommended that the bridge deck be removed and replaced with a new concrete deck as specified in Section 500 – Concrete Structures. Also the spalls in the caps at Bent 2 and 3 should be repaired during construction. If you have further questions concerning these surveys, please contact James Page of this office at 404-608-4876.

CAH: JMP: jkd

Attachments

Dulworth, Jeff

From: Page, James
Sent: Monday, December 10, 2012 5:41 PM
To: Dulworth, Jeff
Subject: FW: 0010925, Fulton - I-285 @ Riverside Drive Roundabouts - Bridge Deck Condition Survey

See when you can get traffic control set up for this. Thanks

From: Clowers, Marlo
Sent: Monday, December 10, 2012 11:58 AM
To: Hasty, Charles A. (Chuck)
Cc: Page, James; Wu, Peter
Subject: RE: 0010925, Fulton - I-285 @ Riverside Drive Roundabouts - Bridge Deck Condition Survey

Thanks Chuck.

From: Hasty, Charles A. (Chuck)
Sent: Monday, December 10, 2012 11:48 AM
To: Clowers, Marlo
Cc: Page, James; Wu, Peter
Subject: RE: 0010925, Fulton - I-285 @ Riverside Drive Roundabouts - Bridge Deck Condition Survey

Marlo:

Myron Banks retired May 31, 2012. I am forwarding your request to Mr. James (Jay) Page, Concrete Branch Chief for further action.

Charles A. (Chuck) Hasty, P.E., M.S.C.E.
State Materials Engineer
Georgia Department of Transportation
15 Kennedy Drive
Forest Park, Georgia 30297

Voice (404) 608-4708
Facsimile (404) 608-4752
Mobile (404) 895-5004

From: Clowers, Marlo
Sent: Monday, December 10, 2012 11:32 AM
To: Hasty, Charles A. (Chuck)
Subject: FW: 0010925, Fulton - I-285 @ Riverside Drive Roundabouts - Bridge Deck Condition Survey

Chuck,

I sent the request below to Myron Banks this morning and it came back marked undeliverable. Could you please forward this to the person handling bridge deck condition surveys now? Let me know if you have any questions. Thanks

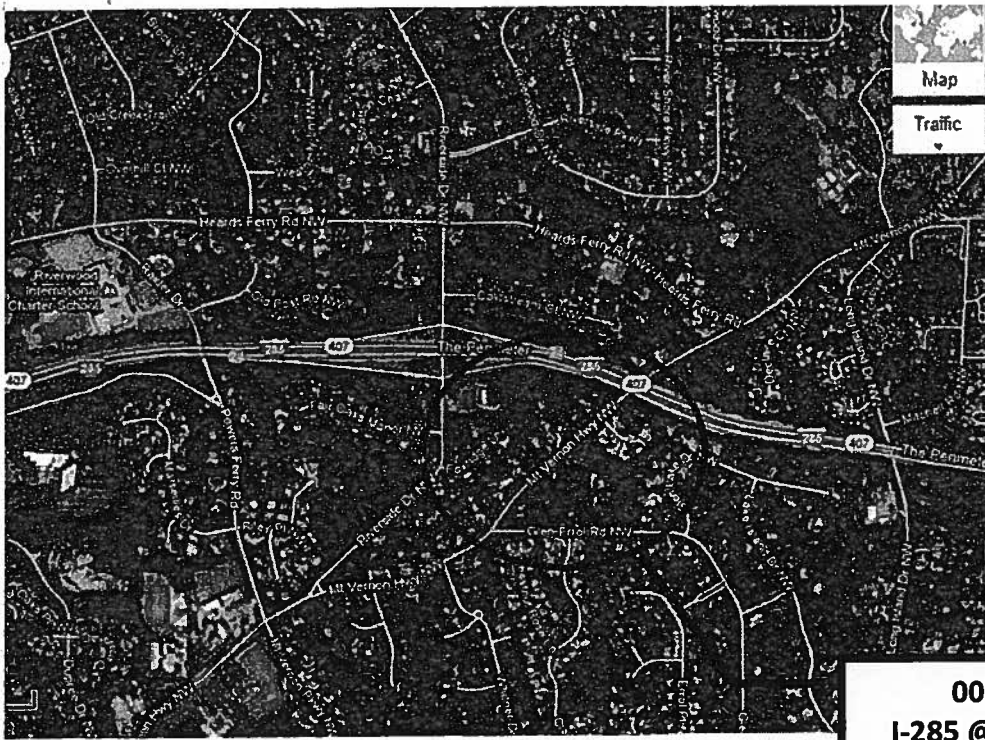
Ms. Marlo L. Clowers, P.E.
Project Manager
Office of Innovative Program Delivery

Georgia Department of Transportation
One Georgia Center, Suite 1900
600 West Peachtree Street, NW
Atlanta, Georgia 30308
404.631.1713
mclowers@dot.ga.gov

From: Clowers, Marlo
Sent: Monday, December 10, 2012 11:24 AM
To: 'Banks, Myron'
Subject: 0010925, Fulton - I-285 @ Riverside Drive Roundabouts - Bridge Deck Condition Survey

Myron,

This email is to request a bridge deck condition survey for the above listed design-build project, which is expected to be let in August 2013. The bridge structure ID number is 121-0452-0. It is a bridge on CR 209/Riverside Drive over I-285. A location sketch is below. If you have any questions please contact Marlo Clowers at mclowers@dot.ga.gov or 404.631.1713. Thank you



0010925
I-285 @ Riverside
Drive

Ms. Marlo L. Clowers, P.E.
Project Manager
Office of Innovative Program Delivery

Georgia Department of Transportation
One Georgia Center, Suite 1900
600 West Peachtree Street, NW
Atlanta, Georgia 30308
404.631.1713
mclowers@dot.ga.gov

During inclement winter weather, Georgia DOT's priority is to clear travel lanes on the state's most-used roadways – the Interstate Highway System and other major arterial roads. The Department urges travelers to exercise caution and call 511 for updated information on roadway conditions before getting on the road during a winter weather event.

Visit us at <http://www.dot.ga.gov/winterweather> ; or follow us on <http://www.facebook.com/GeorgiaDOT> and <http://twitter.com/gadepoftrans>

Processed Date: 12/11/2012

Bridge Inventory Data Listing

Parameters: Bridge Serial Num



Structure ID: 121-0452-0

Fulton

SUFF. RATING: 76.40

Location & Geography

Structure ID: 121-0452-0
 200 Bridge Information:
 *6A Feature Int: 1-285 (SR 407)
 *6B Critical Bridge: 0
 *7A Route No Carried: CR00209
 *7B Facility Carried: RIVERSIDE DRIVE
 9 Location: IN N FULTON
 2 Dot District: 7
 207 Year Photo: 2011
 *91 Inspection Frequency: 24 Date: 07/19/2011
 *92A Fract Crft Insp Freq: 0 Date: 02/01/1901
 *92B Underwater Insp Freq: 0 Date: 02/01/1901
 *92C Other Spc Insp Freq: 0 Date: 02/01/1901
 *4 Place Code: 68516
 *5 Inventory Route (O/U): 1
 Type: 5
 Designation: 1
 Number: 09248
 Direction: 0
 *16 Latitude: 33 -54.954 HMMMS Prefic
 *17 Longitude: 84 -24.3995 HMMMS Suffic MF=0.00
 98 Border Bridge: 000% Shared: 00
 99 ID Number: 0000000000000000
 *100 STRAFNET: 0
 12 Base Highway Network: 1
 13A LRS Inventory Route: 1212020900
 13B Sub Inventory Route: 0
 101 Parallel Structure: N
 *102 Direction of Traffic: 2
 *264 Road Inventory Mile Post: 006.06
 *208 Inspection Area: 7
 Engineer's Initials: Initials: EFP
 * Location ID No: 121-05248N-000.60N

*104 Highway System: 0
 *26 Functional Classification: 17
 *204 Federal Route Type: M No: 00248
 105 Federal Lands Highway: 0
 *110 Truck Route: 0
 2006 School Bus Route: 1
 217 Benchmark Elevation: 0000.00
 218 Datum: 0
 *19 Bypass Length: 01
 *20 Toll: 3
 *21 Maintenance: 01
 *22 Owner: 01
 *31 Design Load: 6
 37 Historical Significance: 5
 205 Congressional District: 06
 27 Year Constructed: 1962
 106 Year Reconstructed: 0000
 33 Bridge Medium: 0
 34 Skew: 00
 35 Structure Flared: 0
 36 Navigation Control: N
 213 Special Steel Design: 0
 267 Type of Paint: 5
 *42 Type of Service On: 5
 Type of Service Under: 1
 214 Movable Bridge: 0
 203 Type Bridge: Z
 259 Pile Encasement: 3
 *43 Structure Type Main: 4 02
 45 No. Spans Main: 004
 44 Structure Type Appr: 0 00
 48 No Spans Appr: 0000
 228 Bridge Curve Horz: 0 Vert: 1
 111 pier Protection: 0
 107 Deck Structure Type: 1
 108 Wearing Structure Type: 1
 Membrane Type: 0
 Deck Protection: 6

Signs & Attachments
 225 Expansion Joint Type: 02
 242 Deck Drains: 0
 243 Parapet Location: 0
 Height: 0
 Width: 0
 238 Curb Height: 1
 Curb Material: 1
 238 Handrail: 11
 *240 Medium Barrier Rail: 0
 241 Bridge Median Height: 0
 * Bridge Median Width: 0
 230 Guardrail Loc. Dir. Rear: 3
 Fwd: 3
 Oppo. Dir. Rear: 0
 Oppo. Fwd: 0
 244 Approach Slab: 3
 224 Retaining Wall: 0
 233 Posted Speed Limit: 35
 238 Warning Sign: 0.00
 234 Delineator: 0.00
 235 Hazard Board: 0
 237 Utilities Gas: 22
 Water: 00
 Electric: 00
 Telephone: 21
 Sewer: 00
 247 Lighting Street: 0
 Navigation: 0
 Aerial: 0
 *248 County Continuity No.: 00

Steel beams

Processed Date:12/11/2012

Parameters: Bridge Serial Num

Bridge Inventory Data Listing



Structure ID:121-0452-0

Preparam Data		Measurements		Inventory Rating Method	
201 Project No:	1-265-1 (16) 88 CT.2	*20ADT	005980 Year:2007	65 Inventory Rating Method:	2
202 Plans Available:	4	109% Trucks:	0	63 Operating Rating Method:	2
249 Prop Proj No:	IM-285-1 (351)	* 28 Lanes On:	02 Under:10	68 Inventory Type:	2 Rating: 38
250 Approval Status:	0000	210 No. Trucks On:	00 Under:00	64 Operating Type:	2 Rating: 36
251 PI Number:	713230-	* 48 Max. Span Length:	0073	231 Calculated Loads:	
252 Contract Date:	02/01/1901	* 49 Structure Length:	258	H-Modified:	20 0
260 Seismic No:	00000	51 Br. Rwdy. Width:	28.00	HS-Modified:	25 0
75 Type Work:	34 1	52 Deck Width:	40.00	Type 3:	28 0
94 Bridge Imp. Cost:	\$538	* 47 Tot. Horiz. Ct:	28	Type 3a2:	40 0
95 Roadway Imp. Cost:	88	50 Curb / Sidewalk Width:	5.00 / 5.00	Timber:	36 0
96 Total Imp Cost:	773	32 Approach Rdwy. Width:	028	Pluggback:	00 0
76 Imp Length:	00000000	*228 Shoulder Width:	2.00 Type:3 Rk:2.00	261 H Inventory Rating:	20
97 Imp Year:	1990	Rear Lt:	2.00 Type:1 Rk:2.00	262 H Operating Rating:	28
114 Future ADT:	008970 Year:2030	Fwd. Lt:		67 Structural Evaluation:	6
Hydraulic Data		Permanent Width:		58 Deck Condition:	6
215 Waterway Data:		Rear:	24.00 Type:3	59 Superstructure Condition:	6
High Water Elev:	0000.0 Year:1900	Intersection Rear:	24.00 Type:2	* 227 Collision Damage:	0
Flood Elev:	0000.0 Freq:00	38 Safety Features Br. Rail:	1 Fwd: 1	60A Substructure Condition:	7
Avg Streambed Elev:	0000.0	Transition:	2	60B Scour Condition:	N
Drainage Area:	00000	App. G. Rail:	2	60C Underwater Condition:	N
Area of Opening:	000000	App. Rail End:	1	71 Waterway Adequacy:	N
113 Scour Critical:	N	53 Minimum Cl. Over:	99' 99"	61 Channel Protection Cond.:	N
216 Water Depth:	00.0 Br. Height:00.0	Under:		68 Deck Geometry:	4
222 Slope Protection:	4	*228 Minimum Vertical Cl		69 Under Cl. Horiz/Vert:	2
221 Slope Protection:	0 Fwd:0	Act. Odin Dir.:	89' 89"	72 Appr. Alignment:	8
219 Fender System:	0	Oppo. Dir:	89' 89"	62 Culvert:	N
220 Dolphin:	0	Postal Odin Dir.:	00' 00"	Feather Data	
223 Current Cover:	000	Oppo. Dir:	00' 00"	70 Bridge Posting Required	5
Type:		55 Lateral Underd. Rt:	H 2.2	41 Strud Open, Posted, CL:	A
No. Barrels:	0	56 Lateral Underd. Lt:	5.00	* 103 Temporary Structure:	0
* Width:	0.00 Height:0.00	*10 Max Min Vert Cl:	99' 99" Dir:0	232 Posted Loads	
* Length:	0 Apron:0	39 Nav Vert Cl:	000 Horiz:0000	H-Modified:	00
265 U/W Imp. Area	0 Diver:ZZZ	118 Nav Vert Cl Closed:	000	HS-Modified:	00
Location ID No:	121-09248M-000.60N	245 Deck Thickness Main Deck Thick Approach:	7.50	Type 3:	00
		248 Overlay Thickness:	0.00	Type 3a2:	00
		212 Year Last Painted:	Sup:1995Sub:0000	Timber:	00
				Pluggback	00
				253 Notification Date:	02/01/1901
				258 Fed Notfy Date:	2/1/1901 12:00:00AA

File Location: CF Conversions/BLIMS

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Date 12-28 Project No. DD10925 Contract No. _____

Contractor _____ Bridge No. _____ County Fulton Type Girder Steel

Location River side Dr / IESS District 7 Area 2

Type Deck Forms _____ Project Eng. _____

Tested By Jeff Dulworth

lane	width	lane	width	lane	width	lane	width	Bent #5
10	10	10	10	10	10	10	10	
9	9	9	9	9	9	9	9	
8	8	8	8	8	8	8	8	
7	7	7	7	7	7	7	7	
6	6	6	6	6	6	6	6	Span length 41'
5	5	5	5	5	5	5	5	
4	4	4	4	4	4	4	4	
3	3	3	3	3 1.6	3 to N	3 38	3 34	
2	2	2	2	2 1.6	2 1.5	2 38	2 38	
1	1	1	1	1 1.3	1 1.4	1 42	1 34	Bent #4
10	10	10	10	10	10	10	10	
9	9	9	9	9	9	9	9	
8	8	8	8	8 1.7	8 to N	8 38	8 38	
7	7	7	7	7 1.0	7 1.3	7 42	7 35	
6	6	6	6	6 1.2	6 1.7	6 40	6 34	Span length 71'
5	5	5	5	5 to N	5 1.6	5 34	5 41	
4	4	4	4	4 to N	4 1.3	4 40	4 36	
3	3	3	3	3 to N	3 1.3	3 38	3 42	
2	2	2	2	2 1.0	2 1.7	2 38	2 38	
1	1	1	1	1 1.0	1 1.3	1 42	1 32	Bent #3
10	10	10	10	10	10	10	10	
9	9	9	9	9 1.6	9	9	9	
8	8	8	8	8 1.4	8 1.5	8 42	8 34	
7	7	7	7	7 1.4	7 1.4	7 38	7 34	
6	6	6	6	6 1.5	6 1.2	6 42	6 38	Span length 71'
5	5	5	5	5 1.0	5 1.2	5 38	5 35	
4	4	4	4	4 1.3	4 to N	4 43	4 41	
3	3	3	3	3 1.6	3 1.0	3 42	3 38	
2	2	2	2	2 1.7	2 1.4	2 35	2 38	
1	1	1	1	1 1.4	1 1.5	1 36	1 41	Bent #2
10	10	10	10	10	10	10	10	
9	9	9	9	9	9	9	9	
8	8	8	8	8 1.9	8 1.6	8	8	
7	7	7	7	7 1.9	7 1.8	7 35	7 41	
6	6	6	6	6 1.3	6 1.4	6 40	6 41	Span length 68'
5	5	5	5	5 1.6	5 1.3	5 40	5 38	
4	4	4	4	4 1.6	4 1.1	4 39	4 35	
3	3	3	3	3 1.3	3 1.5	3 40	3 38	
2	2	2	2	2 1.0	2 to N	2 35	2 42	
1	1	1	1	1 1.5	1 to N	1 39	1 38	Bent #1

N.S.E.W. N.S.E.W. N.S.E.W. N.S.E.W. N.S.E.W. N.S.E.W. N.S.E.W. N.S.E.W.

Overall Cover = 1.35

Cover

SH SH
↓ ↑

SWISS
Hamm 01

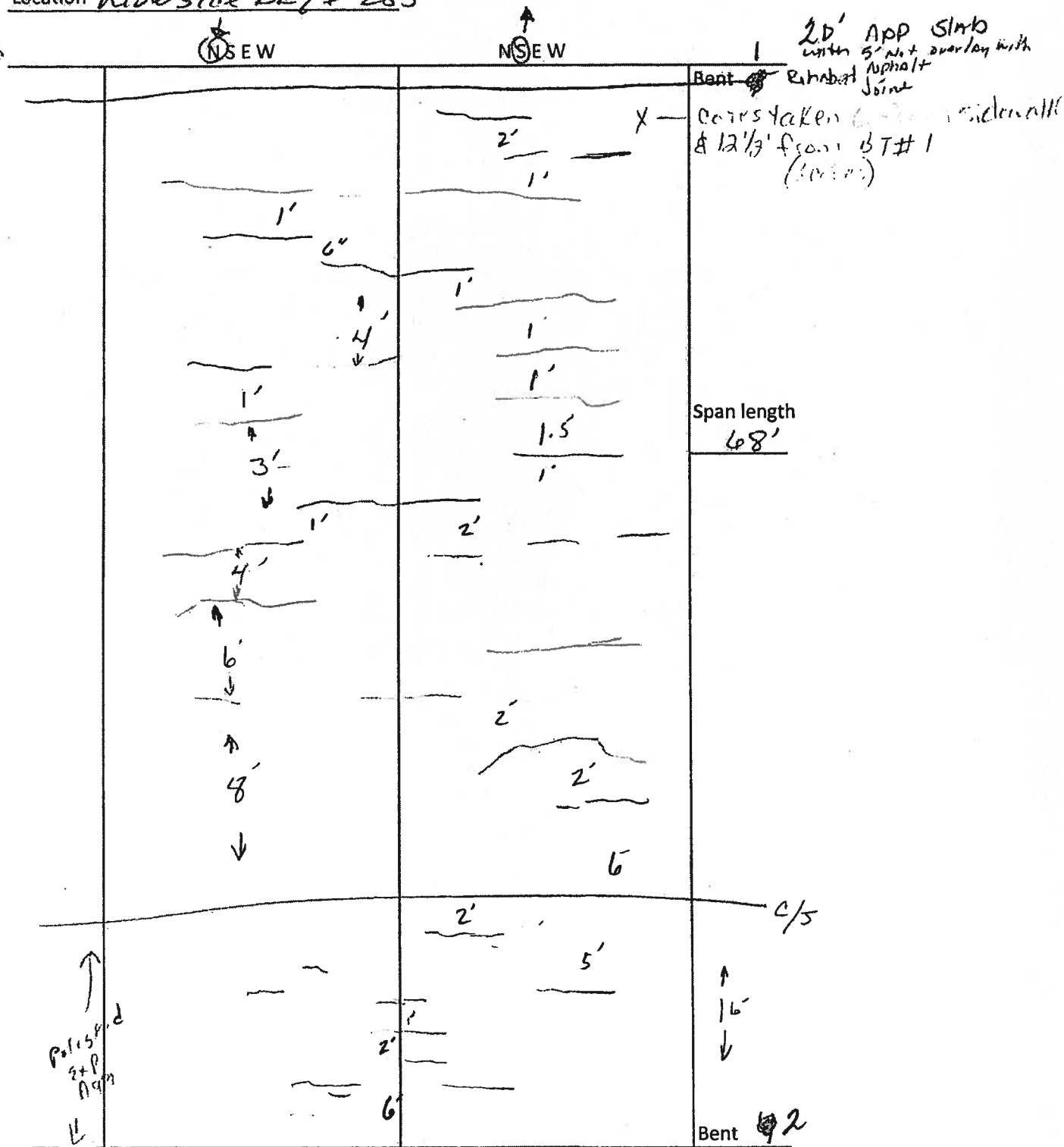
39.57 - 40 = 5500 PSI

Bridge Deck Survey Drawing per spans

PROJECT NO. D010925

Date 12-28-2012

Location Riverside Dr / F-285



FB
12-28-12
←

Bridge Deck Survey Drawing per spans

PROJECT NO. DD10925

Date 12-28-2012

Location RIVERSIDE DR / I-285



Bent 92

7'

2'

6"

1'

5'

1'

(Determination)

Span length
71'

5'

6"

6"

1'

6'

2'

14'

14'

14'

4'

3'

2'

1'

moderate
exposed
Aggregate

← 18' →

4'

3'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

16'

EAST Bound
I-285 ←

Small
w/ exp.
to bar

pop outs

C/S

16'

Bent 3

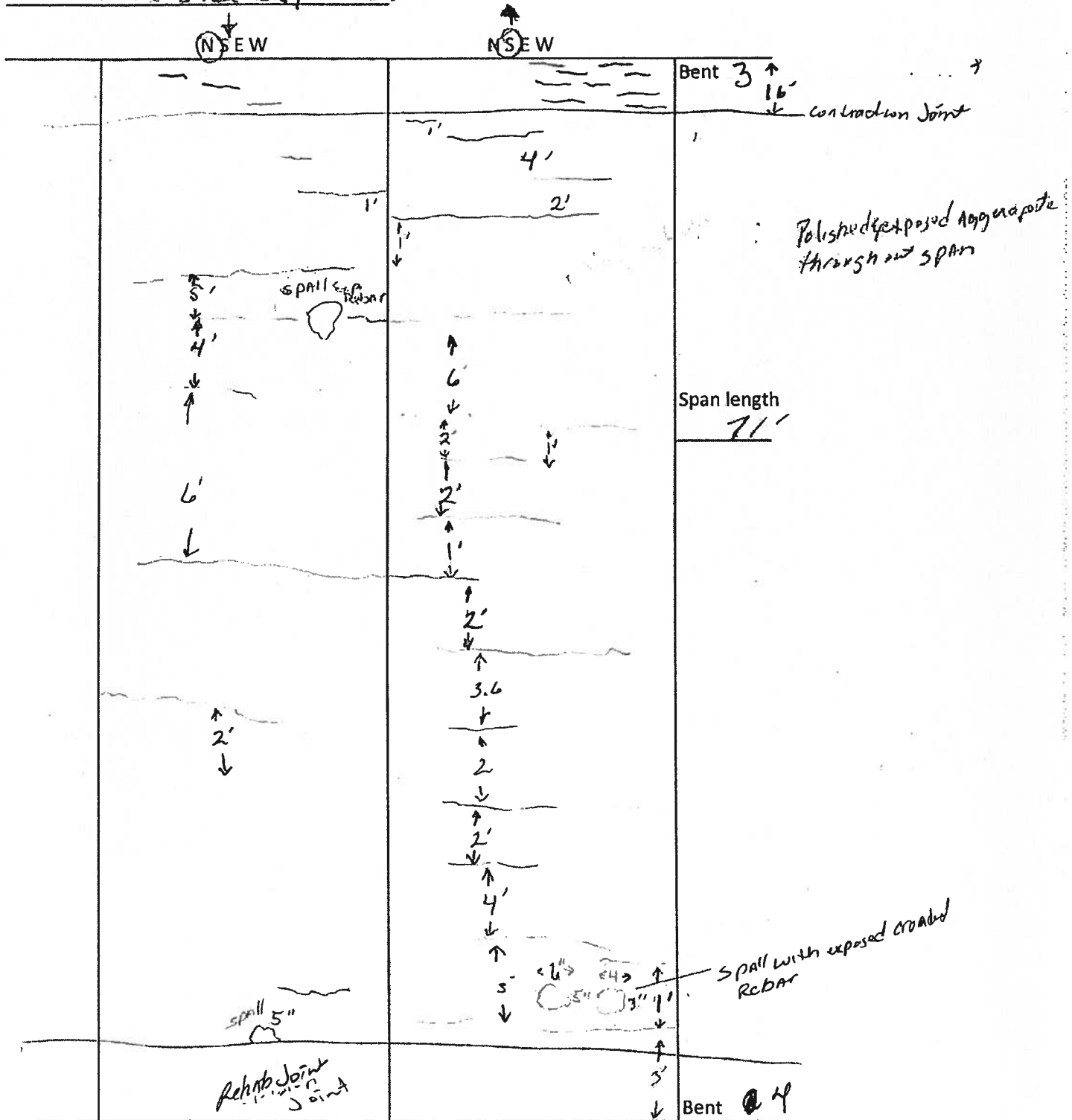
55'

Bridge Deck Survey Drawing per spans

PROJECT NO. 0925

Date 12-28-2012

Location Riverside Dr / I-285

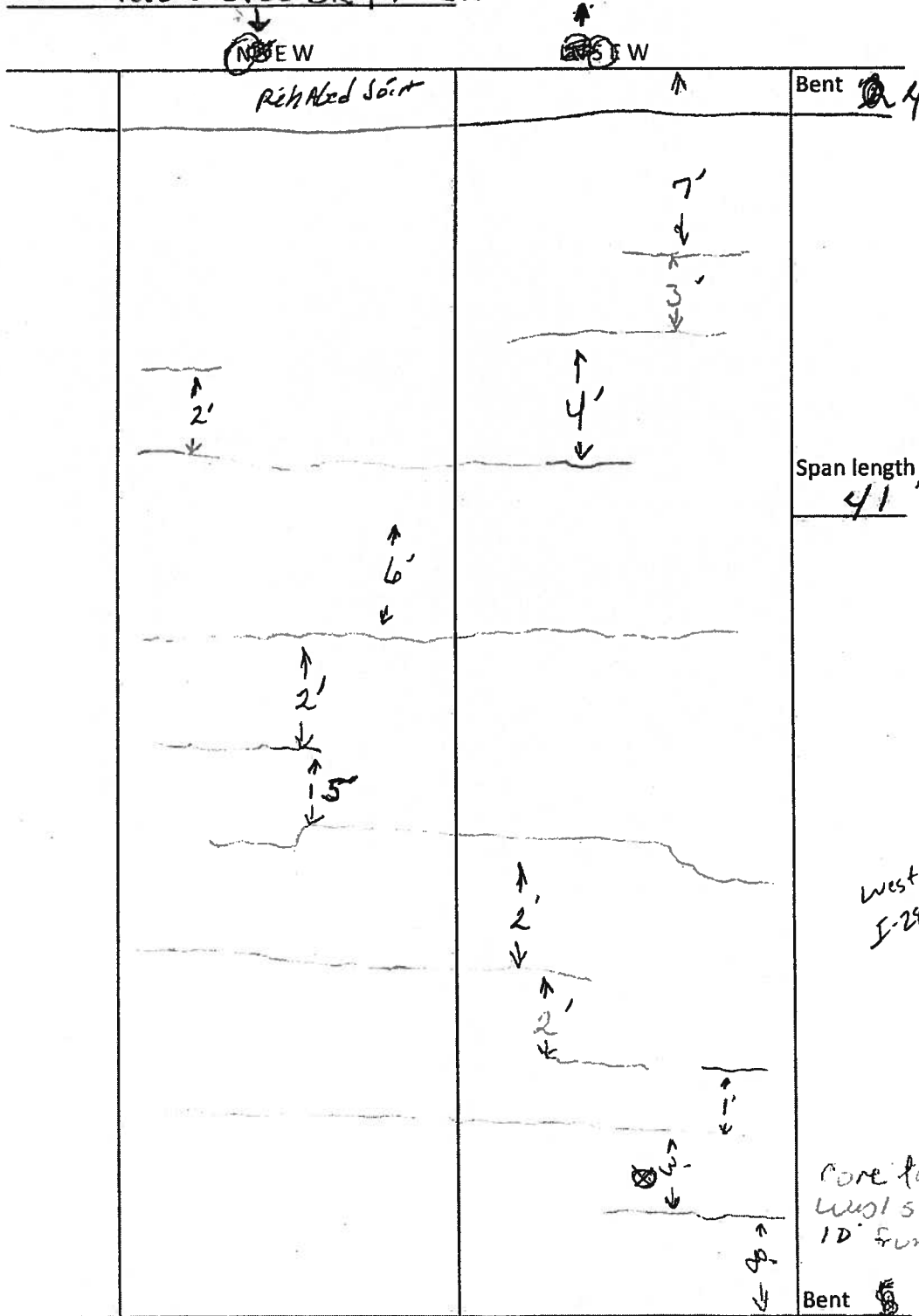


Bridge Deck Survey Drawing per spans

PROJECT NO. 0010925

Date 12.28.2012

Location Riverside DR / I-285



Bridge Deck Condition Survey

Inspection Date 1 9, 2013

Bridge Location **Riverside Drive / I-285** *County* **Fulton**

Project No. **0010925** *Structure No.* **121-0452-0**

Date Built **1962** *Widen* *MP*

Type Structure: **Psg** **StgXXX** *Ptbg* *Rcdg*

Number of Spans: **4** *Span Lengths* **1.)68', 2.)71', 3.)71', &4.) 41'**

Bridge Width **40** *ft.* *Deck Thickness* **7.5** *in.*

Asphalt Thickness On Bridge Deck if any **0** *in.*

Steel Cover: Avg **1.35** *in.*

Per / Span **1.)1.4, 2.)1.3, 3.)1.3, 4.)1.4**

Swiss Hammer : **5500** *(psi)*

Core Data

<i>Core No.</i>	<i>Deck Thickness</i>	<i>Top Cover</i>	<i>Asphalt Thickness</i>	<i>Strength</i>
1.	6.375"	0.937	0	psi
2.			0	4286 psi
3.			0	3802 psi
4.			0	4664 psi

Visual Inspection: (Cracking, Spalling, Corrosion, Ect.)
(By Span, Add Additional Sheets as needed)

Moderate transverse cracking was visual in all spans spacing as close to 1' apart. Moderate surface ware with polished aggregates in all spans with

the worst in span 2, map cracking was located in all spans. Spans 2 and 3 have some areas of delamination. Visual inspection of the substructure revealed spalls in the caps at bent 2 and 3 with exposed corroded rebar on the North facing. All spans have full depth transverse cracking with effervescent.

CONCRETE CORE DATA

Report Date: 1/9/2013 **Date Placed:** 1/1/1962
Contract ID No.: **Concrete Supplier:**
Project No.: 10925 **Class Concrete:** AA
County: Fulton **Design Strength (psi):** 3500
District No.: 7 **DOT 319 Card No.:**
Location: Riverside Drive / I-285 **Cylinder Nos.:**

Core ID:	1			2			3		
Date & Time Cored:	1/9/2013	10:15 AM	18636	1/9/2013	10:20 AM	18636	1/9/2013	11:20 AM	18636
Time Sealed:		10:20 AM	0:05		10:25 AM	0:05		11:30 AM	0:10
Cored Length (in.):	5.000			4.500			5.188		
Core Preparation									
Date & Time Prep'd:	1/9/2013	12:20 PM	0	1/9/2013	12:22 PM	0	1/9/2013	12:23 PM	0
Time Sealed:		12:22 PM	0:02		12:23 PM	0:01		12:25 PM	0:02
End Prep:	Sawn - Wet			Sawn - Wet			Sawn - Wet		
Diameter (in.):	2.780			2.780			2.780		
Area (in ²):	6.07			6.07			6.07		
Cut Length (in.):	3.810			4.590			4.020		
Cut L/D Ratio:	1.37			1.65			1.45		
Date & Time Capped:	1/9/2013	1:40 PM	0	1/9/2013	1:45 PM	0	1/9/2013	1:43 PM	0
Time Sealed:		1:50 PM	0:10		1:50 PM	0:05		1:50 PM	0:07
Capping Material:	Sulfur			Sulfur			Sulfur		
Capped Length (in.):	4.070			4.850			4.220		
Avg. Cap Thick. (in.):	0.260			0.260			0.200		
Capped L/D Ratio:	1.46			1.74			1.52		
Density									
Date & Time Tested:	1/9/2013	1:32 PM	18636	1/9/2013	1:34 PM	18636	1/9/2013	1:35 PM	18636
Weight (lbs.):	2.000			2.400			2.100		
Volume (in ³):	23.13			27.86			24.40		
Unit Weight (lbs./ft ³):	149.4			148.9			148.7		
Compressive									
Date & Time Tested:	1/9/2013	2:11 PM	18636	1/9/2013	2:00 PM	18636	1/9/2013	2:15 PM	18636
Direction of Load:	Parallel			Parallel			Parallel		
Max. Load (lb _f):	27,240			23,570			29,460		
Type Fracture:	Columnar			Columnar			Columnar		
Comp. Strength (psi):	4488			3883			4853		
Correction Factor:	0.955			0.979			0.961		
Adj. Strength (psi):	4286			3802			4664		
Aggr. Size:	57			57			57		
Core Location:	Core obtained from Span 1 of the South Bound Lane cored 12.5' from Bent 1 and 9' from the West side of the bridge. This core has the bottom mat of rebar that had so corrosion on the rebar.			Core obtained from Span 1 of the South Bound Lane cored 12.6' from Bent 1 and 8.5' from the West side of bridge.			Core obtained from Span 4 of the South Bound Lane cored 10' from Bent 5 and 8' from the West side of the bridge. This core had some of the bottom rebar that had some corrosion on the rebar.		

Compressive Strength (psi)

Average = 4251
Std Dev. = 432
COV = 10.2

Unit Weight (lbs/cu. ft.)

Average = 149.0
Std Dev. = 0.4
COV = 0.3

Remarks: The Steel depth core read too near and measured at .9375" rebar had corrosion.



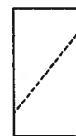
Cone
(a)



Cone and Split
(b)



Cone and Shear
(c)



Shear
(d)



Columnar
(e)

**Georgia Department of Transportation
Office of Materials and Research
Miscellaneous Sample Report**

Sample Number: BROO2166-13-008053
Date Received: 1/9/2013 Project No.: BRIDGE DECK EVALUATION
County Number: 121 Fulton
Contract No.: Sample Type: Technical Services
Producer Code: QPMISC Miscellaneous Supplier (Non-QPL) Statewide
Material Code: MISCEL Miscellaneous Products
Date Sampled: 1/9/2013 Sampled From: Bridge
Quantity: 1 Unit: GRAM
Location: Jeff Dulworth, CS-213 Examined For: 884.01
Vendor:
Date Completed: 1/11/2013
Remarks: Please return results to Jeff Dulworth of the Concrete Section.
Producer - GDOT
Sample from Bridge Deck
Location: I-85 Riverside Drive
Concrete Dust @ 2" Depth
Corrosiveness can occur over 2lbs/yd3 for Concrete.

Meets Requirements: **Failed** ☐ Sample Used for Source Evaluation

Test Data:

Chloride Content in Concrete
Chloride% = .07%
Chloride lbs/yd3 = 2.87 lbs/yd3
Corrosiveness can occur over 2lbs/yd3 for Concrete.

STATE MATERIALS AND RESEARCH ENGINEER

**Georgia Department of Transportation
Office of Materials and Research
Miscellaneous Sample Report**

Sample Number: BROO2166-13-008054
Date Received: 1/9/2013 Project No.: BRIDGE DECK EVALUATION
County Number: 121 Fulton
Contract No.: Sample Type: Technical Services
Producer Code: QPMISC Miscellaneous Supplier (Non-QPL) Statewide
Material Code: MISCEL Miscellaneous Products
Date Sampled: 1/9/2013 Sampled From: Bridge
Quantity: 1 Unit: GRAM
Location: Jeff Dulworth, CS-113 Examined For: 884.01
Vendor:
Date Completed: 1/11/2013
Remarks:

Please return results to Jeff Dulworth of the Concrete Section.
Producer - GDOT
Sample from Bridge Deck
Location: I-85 Riverside Drive
Concrete Dust @ 1" Depth
Corrosiveness can occur over 2lbs/yd3 for Concrete.

Meets Requirements: **Failed** ☐ Sample Used for Source Evaluation

Test Data:

Chloride Content in Concrete
Chloride% = .07%
Chloride lbs/yd3 = 2.91 lbs/yd3
Corrosiveness can occur over 2lbs/yd3 for Concrete.

STATE MATERIALS AND RESEARCH ENGINEER

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

OFFICE OF INNOVATIVE PROGRAM DELIVERY

600 WEST PEACHTREE, ST, NW, SUITE 1900

ATLANTA, GEORGIA 30308

LETTER OF TRANSMITTAL

TO: Charles A. Hasty	DATE: December 10, 2012
State Materials Engineer	PROJECT: 0010925
	COUNTY: Fulton
	P.I. NUMBER: 00010925
Attn: James Page	

PROJECT DESCRIPTION: I-285 @ CR 209/Riverside Drive

**WE ARE SENDING YOU
THE FOLLOWING ITEMS:**

☒ **ATTACHED** ☐ **UNDER SEPARATE COVER**

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> CORRESPONDENCE | <input type="checkbox"/> PRELIMINARY PLANS | <input type="checkbox"/> UTILITY PLANS |
| <input type="checkbox"/> SPECIAL PROVISIONS | <input type="checkbox"/> REVISION(S) | <input type="checkbox"/> GEOMETRIC LAYOUT |
| <input type="checkbox"/> RIGHT OF WAY PLANS | <input type="checkbox"/> PLAN SHEETS | <input type="checkbox"/> ORIGINAL TRACINGS |
| <input type="checkbox"/> CONSTRUCTION PLANS | <input type="checkbox"/> PROFILE SHEETS | <input type="checkbox"/> SUMMARY OF QUANT. |
| <input type="checkbox"/> PRINTS | <input type="checkbox"/> TYPICAL SECTIONS | <input type="checkbox"/> DETAILED ESTIMATE |

COPIES	--DESCRIPTION
1	Email Request for Bridge Deck Condition Survey
1	Location Sketch

THESE ARE TRANSMITTED AS CHECKED BELOW:

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> AS REQUESTED | <input checked="" type="checkbox"/> FOR YOUR USE | <input type="checkbox"/> FOR APPROVAL |
| <input type="checkbox"/> FOR REVISION | <input type="checkbox"/> FOR REVIEW AND COMM. | |

REMARKS: If you have any questions, please contact Marlo Clowers by e-mail or telephone at (404) 631-1713.

SIGNED Marlo S. Clowers
for STATE INNOVATIVE PROGRAM DELIVERY ENGINEER

Attachment

RECEIVED

DEC 11 2012

Georgia Department of Transportation
OMR - MAIL ROOM

Clowers, Marlo

From: Page, James
Sent: Monday, December 10, 2012 12:02 PM
To: Clowers, Marlo
Cc: Wu, Peter; Hasty, Charles A. (Chuck)
Subject: RE: 0010925, Fulton - I-285 @ Riverside Drive Roundabouts - Bridge Deck Condition Survey

Marlo,

If you would mail a hard copy of this request to my attention for the file. Once we receive the copy we will get traffic control scheduled and get the process started on this bridge survey.

Thanks
James Page

From: Clowers, Marlo
Sent: Monday, December 10, 2012 11:58 AM
To: Hasty, Charles A. (Chuck)
Cc: Page, James; Wu, Peter
Subject: RE: 0010925, Fulton - I-285 @ Riverside Drive Roundabouts - Bridge Deck Condition Survey

Thanks Chuck.

From: Hasty, Charles A. (Chuck)
Sent: Monday, December 10, 2012 11:48 AM
To: Clowers, Marlo
Cc: Page, James; Wu, Peter
Subject: RE: 0010925, Fulton - I-285 @ Riverside Drive Roundabouts - Bridge Deck Condition Survey

Marlo:

Myron Banks retired May 31, 2012. I am forwarding your request to Mr. James (Jay) Page, Concrete Branch Chief for further action.

Charles A. (Chuck) Hasty, P.E., M.S.C.E.
State Materials Engineer
Georgia Department of Transportation
15 Kennedy Drive
Forest Park, Georgia 30297

Voice (404) 608-4708
Facsimile (404) 608-4752
Mobile (404) 895-5004

From: Clowers, Marlo
Sent: Monday, December 10, 2012 11:32 AM

To: Hasty, Charles A. (Chuck)

Subject: FW: 0010925, Fulton - I-285 @ Riverside Drive Roundabouts - Bridge Deck Condition Survey

Chuck,

I sent the request below to Myron Banks this morning and it came back marked undeliverable. Could you please forward this to the person handling bridge deck condition surveys now? Let me know if you have any questions. Thanks

Ms. Marlo L. Clowers, P.E.

Project Manager

Office of Innovative Program Delivery

Georgia Department of Transportation

One Georgia Center, Suite 1900

600 West Peachtree Street, NW

Atlanta, Georgia 30308

404.631.1713

mclowers@dot.ga.gov

From: Clowers, Marlo

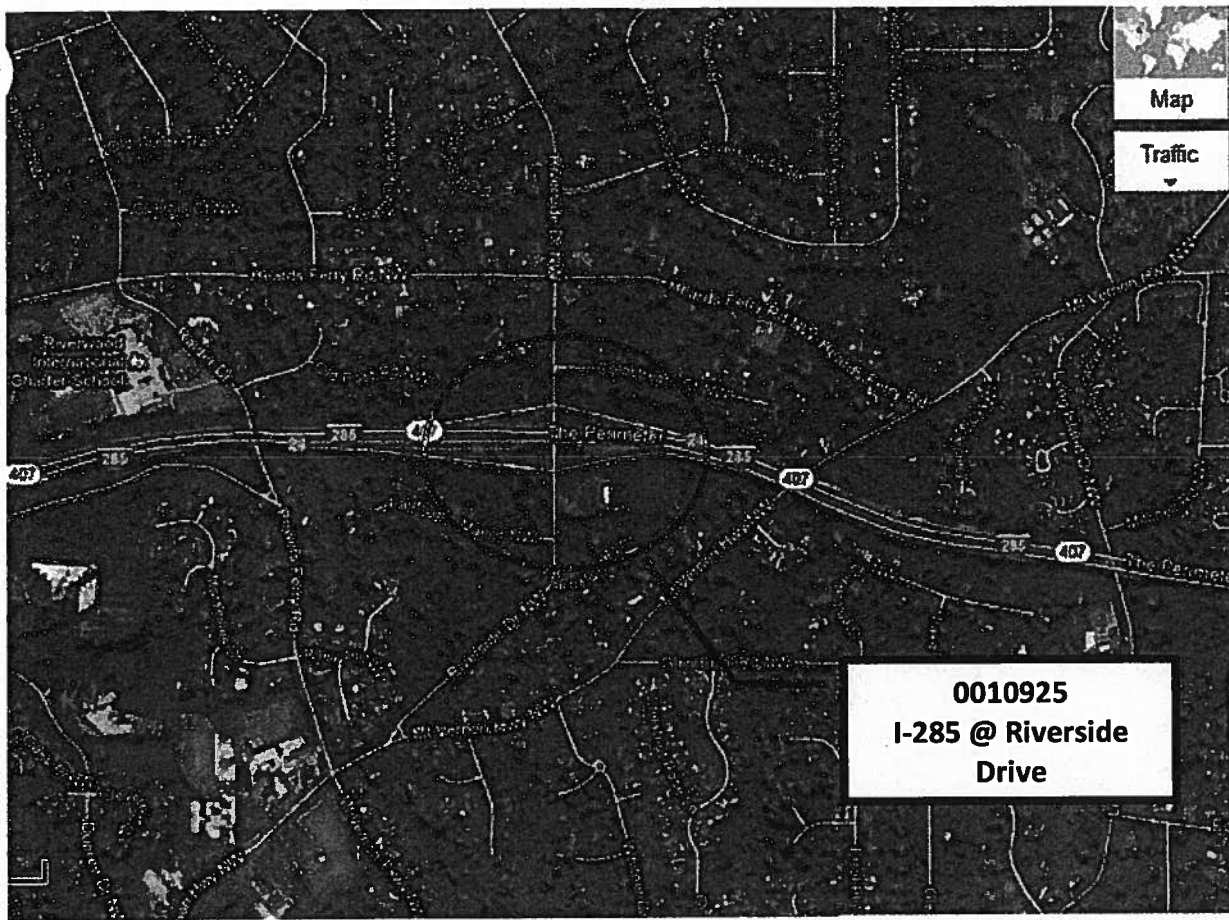
Sent: Monday, December 10, 2012 11:24 AM

To: 'Banks, Myron'

Subject: 0010925, Fulton - I-285 @ Riverside Drive Roundabouts - Bridge Deck Condition Survey

Myron,

This email is to request a bridge deck condition survey for the above listed design-build project, which is expected to be let in August 2013. The bridge structure ID number is 121-0452-0. It is a bridge on CR 209/Riverside Drive over I-285. A location sketch is below. If you have any questions please contact Marlo Clowers at mclowers@dot.ga.gov or 404.631.1713. Thank you



Ms. Marlo L. Clowers, P.E.
Project Manager
Office of Innovative Program Delivery

Georgia Department of Transportation
One Georgia Center, Suite 1900
600 West Peachtree Street, NW
Atlanta, Georgia 30308
404.631.1713
mclowers@dot.ga.gov

During inclement winter weather, Georgia DOT's priority is to clear travel lanes on the state's most-used roadways – the Interstate Highway System and other major arterial roads. The Department urges travelers to exercise caution and call 511 for updated information on roadway conditions before getting on the road during a winter weather event.

Visit us at <http://www.dot.ga.gov/winterweather> ; or follow us on <http://www.facebook.com/GeorgiaDOT> and <http://twitter.com/gadepthoftrans>

North

